

# STRP ProMax High Performance Reinforced Foil VCL

## Product Description

This is a premium specification, reinforced, foil laminated polythene membrane for use as an internal Air & Vapour Control Layer (AVCL). The material meets BS EN 13984 and is UKCA marked. Novia® STRP ProMax has excellent moisture vapour resistance and is suitable for use in insulated wall, floor or roof applications where there is a high risk of interstitial condensation occurring. It also minimises air leakage and energy heat losses, improving the long-term energy efficiency of constructions. Novia® STRP ProMax is particularly suitable for use in metal profile clad industrial buildings and other commercial properties. It can also be used in all insulated building constructions, such as flat roof applications (internal installation only). When installed with a 25mm air gap, the reflective face will provide an additional thermal benefit. Novia® STRP ProMax is reflective on one side, blue on the reverse, with no text or images.

## Features

- UKCA to BS EN 13984
- High specification membrane for industrial use
- 80m<sup>2</sup> supplied as a single-wound roll 1.6m x 50m
- Very tough, tear-resistant and reinforced multilayer polythene with an aluminium foil core
- Minimises interstitial condensation
- Minimises air leakage and energy heat losses
- Improves the insulation performance
- Helps towards the requirements of BS EN 5250

## Typical Applications

- Air-leakage barrier and vapour control layer (AVCL)
- Suitable for use in commercial cladding systems
- Wall, roof and floor applications

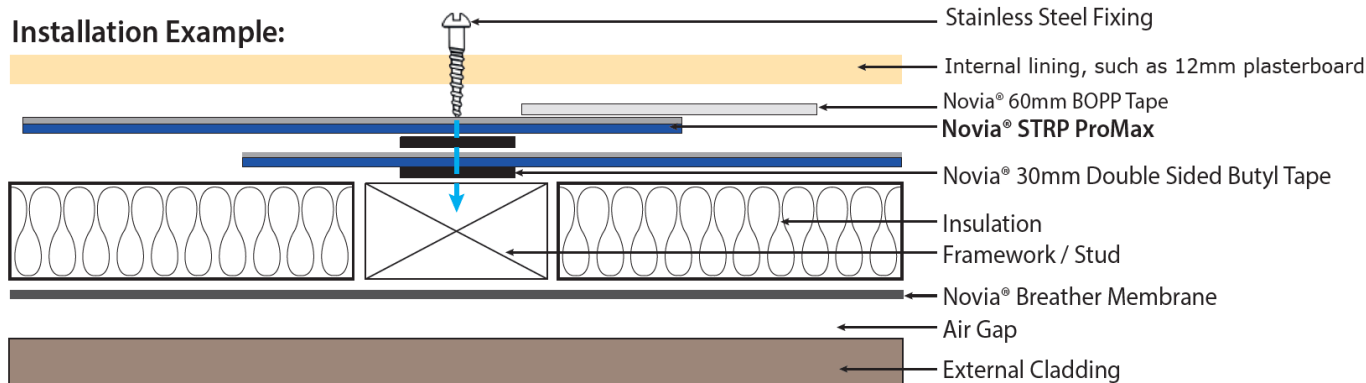
	Value
Standard Width	1.6m
Roll Length	50m
Roll Weight	33kg
Nominal Weight	390g/m <sup>2</sup> EN1849-2
Tensile strength MD/CD	280/200N/50mm EN 12311-1
Max elongation at tensile strength MD/CD	15/15% EN 12311-1
Tear resistance MD/CD	100/200N EN 12310-1
Water vapour permeability in sd	5000m EN 1931 EN12572
Water vapour resistance	25000MNs/g By calculation
Resistance to Wear Penetration	Pass BS EN 1928

## Installation guidance

We recommend the use of Novia® 30mm wide Double-Sided Butyl Tape and Novia® 60mm wide Metallised BOPP Tape. In addition, Novia® Airseal 310 FR AVCL sealant can be used in all applications where additional sealing is required, for example internal corners, floor sections or window reveals. See individual tape and sealant datasheets for further product specific information\*.

\*Note that tapes and sealants are subject to max/min installation temperatures.

- We recommend that in order to improve overall airtightness, Novia® butyl tape is pre-applied to the construction framework on areas where a mechanical fixing is to be made. By preparing the installation in this way when mechanically fixing either the AVCL membrane to itself, and/or to the final internal lining, an airtight seal will be maintained.
- Using suitable galvanised or stainless steel mechanical fixings, which will be permanent, attach the membrane to the framework structure.
- All membrane joints should have a 150mm overlap and, where possible, be situated on a stud, rafter, timber or other framework.
- Care should be taken to ensure that the membrane is not damaged during installation, and that all service entry points are properly sealed with Novia tapes.
- Achieved U values of the construction are improved when Novia® STRP ProMax is installed with the reflective side facing a minimum 25mm air cavity.



*Please note - this diagram is not to scale and should only be used as guidance for the installation.*

## Other notes

Air and Vapour Control Layers (AVCLs) should be installed on the warm side of the building envelope, within all insulated wall or roof applications. AVCLs should normally be used in conjunction with Novia breather membranes which are installed on the cold side of the building envelope, before cladding is installed. Novia AVCLs will only perform correctly if properly installed. It is therefore essential to use Novia AVCL tapes, as part of a two-tape sealing system. For best results, Novia® Double-Sided Butyl Tape should be used in conjunction with a single sided lap tape, either Novia® BOPP Tape (standard applications) or Novia® Aluminium Foil Tape (fire applications). If the AVCL is not installed using the Novia two-tape sealing system, it will not provide the necessary building design outcomes. A poorly installed AVCL will not prevent structural damage from unwanted interstitial condensation, which can lead to future

structural failures (such as rotten timbers) and can also reduce the thermal performance of the insulation. One of the major causes of interstitial condensation problems within finished buildings is due to poorly installed membranes and can often be due to the use of incorrect tapes.

A Novia® Breather Membrane should usually be installed on the cold side of the structure to allow easy release of excess moisture vapour into the atmosphere, whilst also performing the task of a secondary protection membrane and preventing penetration by external environmental impurities such as dirt and rain.

Novia® stocks a wide range of grades and sizes of AVCL membranes and will always have one to suit your particular requirements readily available, including our reflective grades which improve the achieved U values of any given construction when installed facing a minimum 25mm cavity.

For the optimum effectiveness of any Air & Vapour Control Layer ensure that the building is constructed fully in accordance with all current Building Regulations and Standards.

Always handle material carefully to prevent tears and punctures. Repair any on-site damage with Novia® tapes.

All Novia® products should be stored horizontally, indoors and out of direct sunlight. External storage must be on a temporary basis. When stored externally, Novia® products should be covered and protected from exposure to weather conditions, especially wind, rain, frost and UV. Pallets should not be stacked.

Please note: The above technical information is given as a guide and is based on recent test data obtained under laboratory conditions. Materials should be fully tested by the end user to establish suitability of the product for the intended application. April 2025

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